iTTelecom
8 Channels I/O Modbus TCP Remote Ethernet IO Module
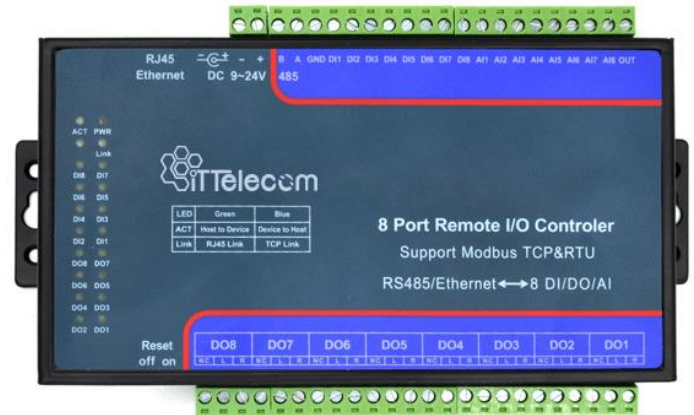Ittelecom Optical Technology Co., ltd
P/N: ITT-SC4767

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Features:

- Various models can support RS485, Ethernet, Wifi and P2P communication.
- Support 8-way relay output, 8-channel digital input, 4-channel voltage and 4-channel current acquisition.
- Wide voltage 9V ~ 24V input.

Description:

ITT-SC4767 is 8 channels remote IO controller launched by ITTelecom after ITT-SC4766. The controlled channels from 4 channels of ITT-SC4767 extending to 8 channels, including 8 channels Digital Input(DI), Digital Output(DO), Analog Quantity Input(AI). The DI support dry contact and wet contact with opto-isolator; DO is relay output with 5A 250VAC or 5A 30VDC control ability; the before 4 channels of AI input support 0~5V voltage quantity input, the after 4 channels support 4~20mA current input, the accuracy is 10 bits. ITT-SC4767 support 2 communication methods of Ethernet, RS485.

ITT-SC4767: it's an IO controller using Ethernet to control, the usually using communication protocol is Modbus TCP protocol, in this case the module converting protocol choose Modbus TCP to RTU, DI/DO/AI are corresponding to different register. If want to control through Modbus RTU protocol, set module converting protocol to "No", by using TCP to send Modbus RTU protocol can do the control. The product can conveniently and reliably though Ethernet to collect switch value, control relay, collect sensor.

1) 8 channels digital quantity input:
Support passive switch value (dry contact) and active level (wet contact).

2) 8 channels digital quantity output :
The output type is relay output (5A@AC250V/DC30V).

3) 8 channels analog quantity input: in default the first 4 channels are 0~5V voltage input, the after 4 channels are 4~20mA. If need customized, can modify any channels to the below 4 types:

(1)Current signal input: 4~20mA
(2)Voltage signal input: 0~5V
(3)Voltage signal input: 0~10V

(4)Resistance impedance input: 0~10k or resistor-type temperature humidity sensor, etc.

4) 8 channels switch value input state and 8 channels switch value output state both have independent indicator, can immediately know switch input/output state through indicator.

5) Provide demo software Remote IO controlled by RS485 or TCP/IP, can demonstrate IO control and AI data acquisition for devices.

6) Can provide complete RS485 control instructions and Modbus TCP commands, convenient for integrated development of engineer.

7) ITT-SC4767 is freely equipped Windows virtual port & device management tool ITTVircom, support ITTVircom, can one-key search and modify parameters

Technical Parameters:

• **Figure**	➢ Size: L x W x H =9.2cm×19.7cm×2.5cm
• **Serial Port**	➢ RS485 Interface, 1200~115200 (default 9600bps), 8 bits data bit, None parity, 1 stop bit
• **Relay Transmission Time(Response time)**	➢ <30ms
• **Software**	➢ Upper Layer Protocol: MODBUS TCP/ MODBUS RTU ➢ Physical protocol: Ethernet, RS485
• **AI Input Format**	➢ Current: 4~20mA,0~20mA ➢ Voltage: 0~5V, 0~10V ➢ Resister: 0~10K, temperature/humidity sensor
• **Power Consumption**	➢ <92mA @24V
• **Environment**	➢ Operation temp.: -40~85℃ ➢ Storage temp.: -45~165℃ ➢ Humidity: 5~95% relative